

MIAMIDADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hialeah, FL 33012

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "2000" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. SH08-01, titled "Series 2000 Aluminum Single Hung Impact Resistant Glass", sheets 01 through 06 of 06, dated 04/02/08, with revision no. 2 dated 12/05/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its Miami Dade Genuuty Department of Regulators of pd skramonic Kernoraa buk Liony OOO 1117700 This NOA revises NOA No. 1217320.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

NOA03-0811h 20th that Cumentation was reviewed by Jame D. Gascon, P. E

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Date Time Stamp

NOA No. 14-1224,08

Expiration Date: April 24, 2018 Approval Date: April 09, 2015

Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No. 08-0219.03)
- 2. Drawing No. SH08-01, titled "Series 2000 Aluminum Single Hung Impact Resistant Glass", sheets 01 through 06 of 06, dated 04/02/08, with revision no. 2 dated 12/05/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked—up drawings and installation diagram of a series 2000 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s FTL-5253, dated 10/02/07 and FTL-5252, dated 08/17/07, both signed and sealed by Carlos S. Rionda, P. E.

(Submitted under previous NOA No. 08-0219.03)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), prepared by manufacturer, dated 12/10/14, signed and sealed by Francisco Hernandez, P. E.
- 2. Glazing complies with ASTM E1300-04/09

D. OUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Kuraray PVB Glass Interlayer" expiring on 12/11/16.
- 2. Pecora Corp. Part No. Pecora 895 EPDM exterior glazing gasket complying with ASTM C 794—30 pli, ASTM D412—Tension of 550 PSI, ASTM D 624—40 lb./ in., ASTM D 2240—Hardness Shore A 27 Durometer, ASTM C 510—None, ASTM D 471—70 HRS 257°F and ASTM D 3835—3.0 HRS 180°F, ASTM C 719—±50%,

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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Jaime D. Gascon, P. E.

Disp Trade Stamp Nameduct Control Section Supervisor

NOA No. 14-1224.08 Expiration Date: April 24, 2018

Approval Date: April 09, 2015

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: **EVIDENCE SUBMITTED**

F. **STATEMENTS**

- Statement letter of conformance to, complying with FBC 5th Edition (2014) and of no 1. financial interest, dated 12/28/14, signed and sealed by Francisco Hernandez, P. E.
- 2. Department of State Certification of SUNSHINE WINDOWS MANUFACTURING CORPORATION, INC. as a for profit corporation, active and organized under the laws of the State of Florida, dated 11/24/14 and filed by the Secretary of State.
- Statement letter of conformance, complying with FBC-2010 and of no financial 3. interest, dated 03/12/12, signed and sealed by Francisco Hernandez, P. E. (Submitted under previous NOA No.12-0320.07)
- Laboratory compliance letters for Test Reports No's FTL-5253, dated 10/10/07 and 4. FTL-5252., dated 08/28/07, both issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E. (Submitted under previous NOA No.08-0219.03)

G. **OTHERS**

Notice of Acceptance No. 12-0320.07, issued to Sunshine Windows Manufacturing, 1. Inc. for their Series "2000 Aluminum Single Hung Window - L.M.I.", approved on 05/17/12 and expiring on 04/24/18.

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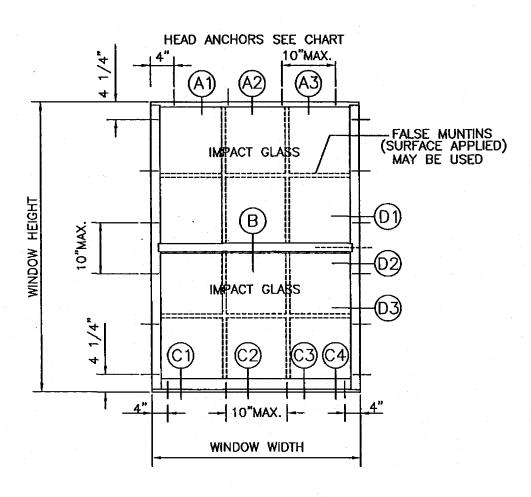
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Jaime D. Gascon, P. E. Disp Trade Stamp NaProduct Control Section Supervisor

NOA No. 14-1224.08 STRU Approved Expiration Date: April 24, 2018

Approval Date: April 09, 2015



TIPICAL ELEVATION 1 OVER 1

GENERAL NOTES:

- 1.— THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014). THE DESIGN PRESSURES REMAIN THE SAME AS IN THE PREVIOUS NOA IN COMPLIANCE WITH FBC 2010.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 2 THRU 4.
- 5.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CONCRETE STRENGTH Fc'28 = 3000 PSI MIN.
 - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
 - FILLED CMU Fm' = 2000 PSI MIN.
- 6.- USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE FY = 36 KSI MIN.
- 9.- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6.

MI TO THE STRUCTURE OF THE CLAZING SYSTEM TO THE STRUCTURE

799 - 97 (NO) SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

11. - ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS)

081552017 PREPIED IN FBC 5TH EDITION (2014).

Examiner

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te	0.340" OVERALL LAMINATED	GLASS US		LITES OF	wad-e
	FILM DUPONT BUTACITE PVE LAMINATED BY TECNOGLASS	. Betwee	N THE TW	O LITES (OF GLASS.
			••••		

			•••		
WINDOW DIMENSION		ANC SCHE		DISIGN PRESSURE-PSF	
WIDTH	HEIGHT	PER HEAD AND SILL	PER JAMB	EXT.	INT.
19 1/8"		3		90.0	90.0
26 1/2"	ne"	3	3	90.0	90.0
37"	26"	4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	38 3/8"	3	4	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	50 5/8"	3	6	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4	6	90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	63"	3	7	75.0	75.0
26 1/2"		3		75.0	75.0
37"		4		75.0	75.0
53 1/8"		6		75.0	75.0
19 1/8"	74 1/4"	3		75.0	75.0
26 1/2"		3	8	75.0	75.0
37"		4] "	75.0	75.0
53 1/8"		6		75.0	75.0

PRODUCT REVISED as complying with the Florida

Miami Dade Product Control

FRANCISCO HERNANDEZ FLORIDA PE # 51393

Sunshine Windows

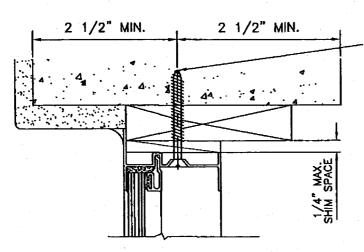
Manufacturing, Inc. 1745 W. 33rd Place Ph: (305)364-9952 Fax:(305)828-5118

ALUMINUM F RESISTANT SINGLE 2000 SERIES CT IMP.

DRAWING No. SH08-01

DATE: 04-02-08 SCALE: 1/2"=1"

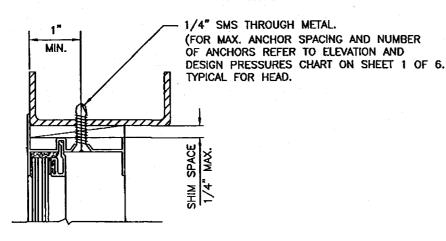
SHEET 1 OF 6



1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1 BY WOOD BUCK.
(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART ON SHEETS 1 OF 6).
TYPICAL FOR HEAD.

DETAIL A1 ATTACHMENT TO CONCRETE

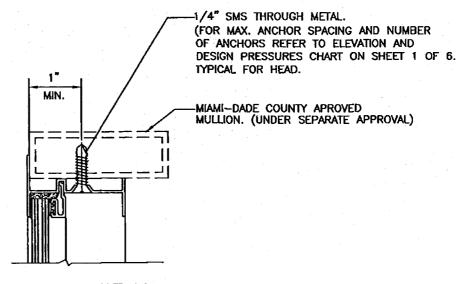
TYPICAL ANCHORS



ATTACHMENT TO METAL STRUCTURE DETAIL
(STEEL OR ALUMINUM 1/8* MIN. THICKNESS)

DETAIL A2 ATTACHMENT TO WOOD

MIN.



ON SHEET 1 OF 6).

1/4" MAX. SHIM SPACE

TYPICAL FOR HEAD.

1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATION AND DESIGN PRESSURES CHART

-2 BY WOOD BUCK BY OTHERS.

MUST BE PROPERLY ATTACHED TO

TRANSFER GLAZING SYSTEM LOADS
TO THE STRUCTURE, SHALL BE APPROVED

BY BUILDING OFFICIAL PRIOR TO

WINDOW INSTALLATION.

DETAIL A4

ATTACHMENT TO MULLION
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

Mismi Dade County Department of Regulatory And Economic Resources - Job Copy

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STRU Approved

TYPICAL HEAD SECTIONS

 12-05-14

FRANCISCO HERNANDEZ FLORIDA PE # 51393 Sunchine Windows

Sunshine Windows Monufacturing, Inc. 1745 W. 33rd Place Hioleah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

> SERIES 2000 ALUMINUM SINGLE HUNG IMPACT RESISTANT GLASS

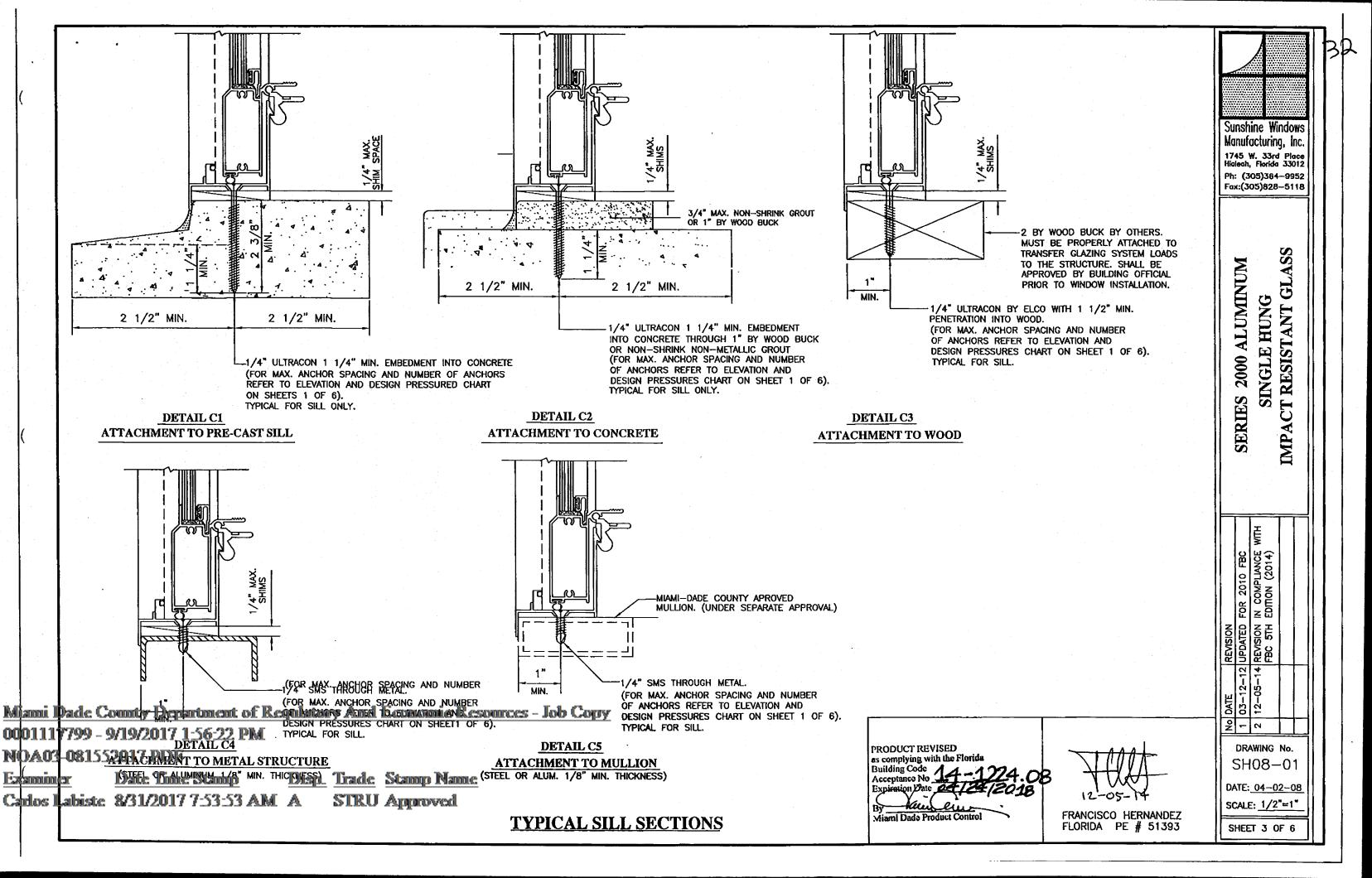
| No DATE | REVISION | 1 03-12-12 UPDATED FOR 2010 FBC | 2 12-05-14 REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

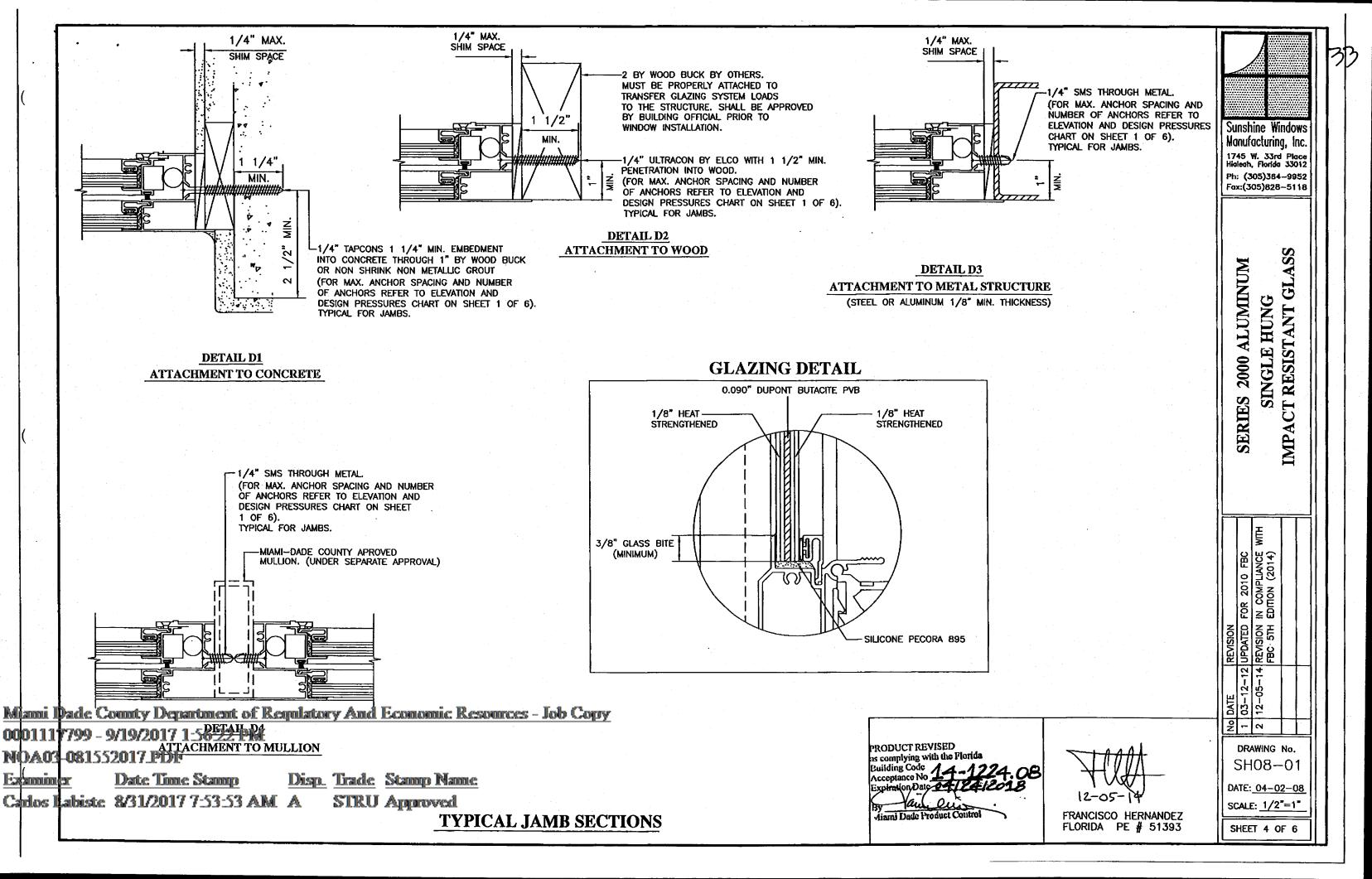
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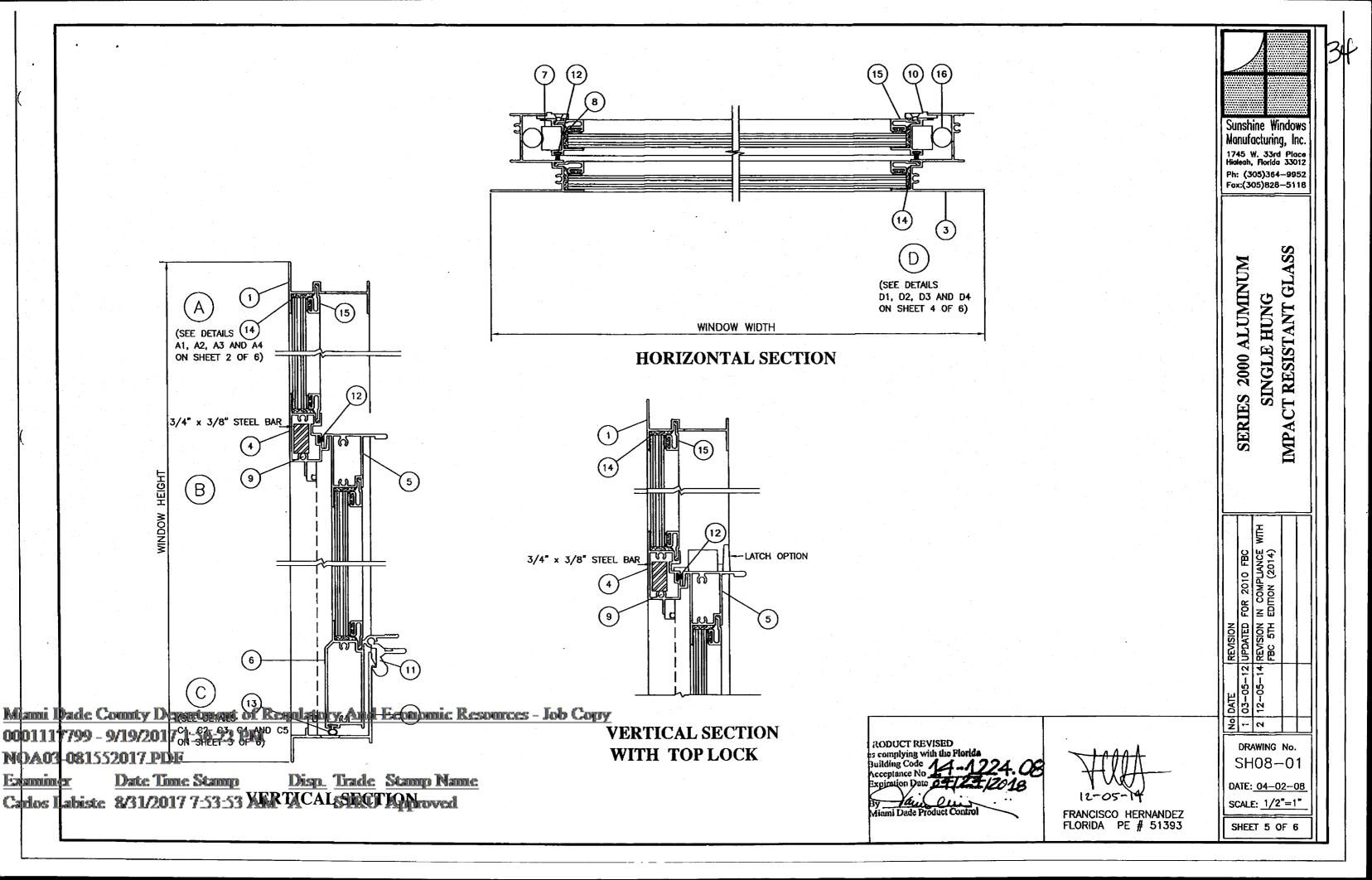
DATE: 04-02-08

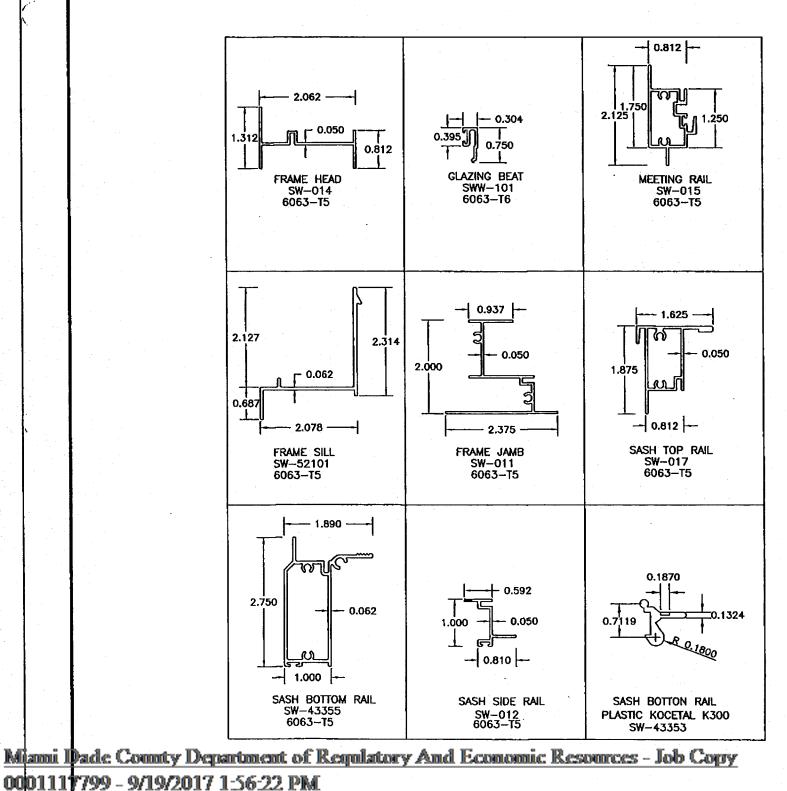
SCALE: 1/2"=1"

SHEET 2 OF 6









MATERIAL LIST

ITEM#	PART#	REQD.	DESCRIPTION	MATERIAL	
1	SW-014	1	FRAME HEAD	6063T5	
. 2	SW52101	1	FRAME SILL	6063-T5	
3	SW-011	2	FRAME JAMB	6063-T5	
4	SW40111	1	MEETING RAIL	6063-T5	
. 5	SW-017	. 1	SASH TOP RAIL	6063-T5	
6	SW43355	1	SASH BOTTOM RAIL	6063-15	
7	SW8202B	2	SASH CAM	NYLON	
8	SW-012	2	SASH SIDE RAIL	6063-T5	
9	SW-AS	AS REQ	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS	
10	SW8202A	4/VENT	FACE GUIDES	NYLON	
11	SW43353	2/VENT	LATCH BOTTOM RAIL	PLASTIC	
- 12	SW1820	AS RQD	SEAL PILE	FELT	
13	SW3257	AS RQD	WEATHER STRIP BULB	VINYL	
14	-	AS RQD	SILICONE	DC-899/GE-1200	
15	SWW101	AS RQD	GLAZING BEAD	6063-T6	
16	SW540	2	SPIRAL BALANCE	ALUMINUM	
17	SW-667	2/VENT	LATCH	ZINC	
18	SW3082	AS RQD	WEATHER STRIP BULB	VINYL	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	1 SW-014 2 SW52101 3 SW-011 4 SW40111 5 SW-017 6 SW43355 7 SW8202B 8 SW-012 9 SW-AS 10 SW8202A 11 SW43353 12 SW1820 13 SW3257 14 - 15 SWW101 16 SW540 17 SW-667	1 SW-014 1 2 SW52101 1 3 SW-011 2 4 SW40111 1 5 SW-017 1 6 SW43355 1 7 SW8202B 2 8 SW-012 2 9 SW-AS AS REQ 10 SW8202A 4/VENT 11 SW43353 2/VENT 12 SW1820 AS RQD 13 SW3257 AS RQD 14 - AS RQD 15 SWW101 AS RQD 16 SW540 2 17 SW-667 2/VENT	1 SW-014 1 FRAME HEAD 2 SW52101 1 FRAME SILL 3 SW-011 2 FRAME JAMB 4 SW40111 1 MEETING RAIL 5 SW-017 1 SASH TOP RAIL 6 SW43355 1 SASH BOTTOM RAIL 7 SW8202B 2 SASH CAM 8 SW-012 2 SASH SIDE RAIL 9 SW-AS AS REQ ASSEMBLY SCREWS 10 SW8202A 4/VENT FACE GUIDES 11 SW43353 2/VENT LATCH BOTTOM RAIL 12 SW1820 AS RQD SEAL PILE 13 SW3257 AS RQD WEATHER STRIP BULB 14 - AS RQD GLAZING BEAD 15 SWW101 AS RQD GLAZING BEAD 16 SW540 2 SPIRAL BALANCE 17 SW-667 2/VENT LATCH	

ASS SERIES 2000 ALUMINUM GL SINGLE HUNG CT RESISTANT IMPA

Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hideah, Florida 33012

Ph: (305)364-9952 Fax:(305)828-5118

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DRAWING No. SH08-01

DATE: 04-02-08 SCALE: 1/2"=1"

SHEET 6 OF 6

FRANCISCO HERNANDEZ FLORIDA PE # 51393

Disp. Trade Stamp Name

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